## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 6 May 2005 (06.05,2005)

**PCT** 

# (10) International Publication Number WO 2005/041353 A1

(51) International Patent Classification7:

H01Q 3/26

(21) International Application Number:

PC17IT2003/000655

(22) International Filing Date: 23 October 2003 (23.10.2003)

(25) Filing Language:

Italian

(26) Publication Language:

English

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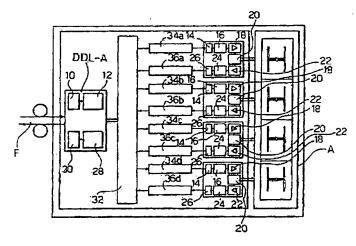
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TF, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PI, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declarations under Rule 4.17:

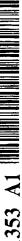
as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE. AG. AL. AM. AT. AU. AZ. BA. BB. BG. BR. BY. BZ. CA. CII. CN. CO. CR. CU. CZ. DE. DK. DM. DZ. EC. EE. ES. FI. GB. GD. GE. GII. GM. HR. HU, ID. IL. IN. IS. JP. KE. KG. KP. KR. KZ. LC. LK. LR. LS. LT. LU. LV. MA. MD. MG. MK.

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(54) Title: ANTENNA SYSTEM AND METHOD FOR CONFIGURING A RADIATING PATTERN



(57) Abstract: The radiation characteristics of an antenna are made configurable including in the antenna (A) a plurality of radiating elements and associating to each of said radiating elements a respective chain for processing the signal in transmission and/or reception, comprising: - a module for weighting digital signals (34a, 34b, 34c, 34d; 36a, 36b, 36c, 36d) capable of applying to a digital signal at least a respective weighting coefficient, and -an antenna conversion set (16 to 26) interposed between the module for weighting digital signals and one of the radiating elements of the antenna, the antenna conversion set operating on a digital signal on the side of the signal weighting module and on an analogue signal on distributed on the processing chains associated to each radiating element of the antenna (A) propagates (in transmission and/or reception), while respective weight coefficients are applied to said digital signal weighting modules (34a, 34b, 34c, 34d; 36a, 36b, 36c, 36d), said weighting coefficients determine the radiation diagram of the antenna.



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MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- of inventorship (Rule 4.17(iv)) for US only

### Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.